

AMENDMENTS TO THE SPECIFICATION:

Amend the specification as follows:

Please amend the paragraph beginning on page 3, line 26, as follows:

In order to attain the above object, a feeder assembly ~~according to claim 1~~ of the present invention is provided with a receiving space in which a wiring harness is bent, a sliding member provided in the wiring harness, and a sliding guide to guide the sliding member. Thereby, when a sliding structure body such as a sliding door and the like engaged slidably with a fixed structure body such as a vehicle body and the like moves back and forth, the sliding member of the wiring harness arranged from the space of the sliding structure body to the fixed structure body side moves along the sliding guide in the space side and a loop portion or a bent portion of the wiring harness expands and contracts in the space so that the excess length of the wiring harness is absorbed when the loop portion expands the diameter or the bent portion contracts.

Please amend the paragraph beginning on page 4, line 23, as follows:

In the feeder assembly ~~described in claim 1~~, the feeder assembly ~~according to claim 2~~ is provided with the receiving space in which the wiring harness is bent in loop shape, and the sliding guide to guide the sliding member in the direction to which the loop portion of the wiring harness expands or contracts.

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Please amend the paragraph beginning on page 5, line 22, as follows:

In the feeder assembly ~~described in claim 1~~, the feeder assembly ~~according to claim 3~~ is provided with the receiving space in which the wiring harness is bent in U-shape, and the sliding guide to guide the sliding member in the direction to which the bent portion of the wiring harness expands or contracts.

Please amend the paragraph beginning on page 6, line 17, as follows:

In the feeder assembly ~~described in any one of claims 1 to 3~~, the feeder assembly ~~according to claim 4~~ is characterized by that the space is provided in a protector and the sliding guide is provided in the lengthwise direction of the protector.

Please amend the paragraph beginning on page 7, line 17, as follows:

In the feeder assembly ~~described in claim 2 or 4~~, the feeder assembly ~~according to claim 5~~ ~~having~~ has a sliding guide of mountain shape.

Please amend the paragraph beginning on page 8, line 5, as follows:

In the feeder assembly ~~described in claim 2 or 4~~, the feeder assembly ~~according to claim 6~~ ~~having~~ has a sliding guide which is formed in slanted from one end to the other end.

Please amend the paragraph beginning on page 8, line 17, as follows:

In the feeder assembly ~~described in claim 3 or 4~~, the feeder assembly ~~according to claim 7~~ having has the sliding guide which has a straight portion and a slanted portion followed from the straight portion.

Please amend the paragraph beginning on page 9, line 8, as follows:

In the feeder assembly ~~described in claim 5 or 6~~, the feeder assembly ~~according to claim 8~~ is characterized by that the sliding guide is a pair of rails opposed to each other and the wiring harness penetrates between the pair of the rails and the sliding member is a spherical member to contact freely slidable to the pair of the rails.

Please amend the paragraph beginning on page 9, line 19, as follows:

In the feeder assembly ~~described in claim 5 or 6~~, the feeder assembly ~~according to claim 9~~ is characterized by that the sliding guide is a pair of guiding through-holes or a pair of guiding grooves opposed to each other, and the sliding member has an axis engaging slidably with the guiding through-holes or guiding grooves.

Please amend the paragraph beginning on page 10, line 7, as follows:

In the feeder assembly ~~described in claim 7~~, the feeder assembly ~~according to claim 10~~ is characterized by that the sliding guide is a long side wall of the protector.

Please amend the paragraph beginning on page 10, line 15, as follows:

In the feeder assembly ~~described in any one of claims 4 to 10~~, the feeder assembly ~~according to claim 11~~ is characterized by that a long opening for swinging the wiring harness is provided in the lengthwise direction of the protector and an opening of the wiring harness fixing side is provided in one end of the protector.

Please amend the paragraph beginning on page 11, line 2, as follows:

In the feeder assembly ~~described in any one of claims 1 to 11~~, the feeder assembly ~~according to claim 12~~ is characterized by that an insulating cover of each electric cable constituting the wiring harness is formed with a material which hardly degrades with the change of temperature and humidity.

Please amend the paragraph beginning on page 11, line 16, as follows:

In the feeder assembly ~~described in any one of claims 1 to 12~~, the feeder assembly ~~according to claim 13~~ is characterized by that a protection tube covering the outer circumference of the wiring harness is formed with a material which hardly degrades with temperature and humidity changes.

Please amend the paragraph beginning on page 12, line 3, as follows:

In the feeder assembly ~~described in any one of claims 1 to 13~~, the feeder assembly ~~according to claim 14~~ is characterized by that a curved rigid member openable at a hinge is provided in the loop

portion or the bent portion of the wiring harness.

Please amend the paragraph beginning on page 12, line 18, as follows:

A harness arrangement structure utilizing the feeder assembly ~~according to claim 15~~ is characterized by that the space of the feeder assembly ~~described in any one of claims 1 to 14~~ is provided in a sliding structure body or a fixed structure body, the sliding structure body engages to slide the fixed structure body, the wiring harness followed to the sliding member is guided out from the space to the fixed structure body or the sliding structure body side, the wiring harness followed to the loop portion is guided out and fixed to the sliding structure body or the fixed structure body side.

Please amend the paragraph beginning on page 13, line 21, as follows:

A harness arrangement structure utilizing the feeder assembly ~~according to claim 16~~ is characterized by that the protector of the feeder assembly ~~described in any one of claims 4 to 14~~ is provided in a sliding structure body or a fixed structure body, the sliding structure body engages to slide the fixed structure body, the wiring harness followed to the sliding member is guided out from the long opening of the protector to the fixed structure body or the sliding structure body side, the wiring harness followed to the loop portion is guided out and fixed to the sliding structure body or the fixed structure body side.

Please amend the paragraph beginning on page 14, line 24, as follows:

In the harness arrangement structure using the feeder assembly ~~described in claim 15 or 16~~, the harness arrangement structure ~~according to claim 17~~ is characterized by that the feeder assembly is disposed vertically or horizontally.

Please amend the paragraph beginning on page 37, line 26, as follows:

According to the invention ~~described in claim 1~~, a sliding member of a wiring harness side moves along a sliding guide of a space side. A loop and a bent portion of the wiring harness expands and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the radial direction of the loop portion or the bending direction of the bent portion instead of being absorbed upward so that the receiving space, for the wiring harness is saved in the height and crosswise direction. Thereby, a feeder assembly structure is simplified and attains a low cost. Accordingly, the feeder assembly or the wiring harness are incorporated with a small space into a sliding door of a vehicle or a vehicle body having a limited space in the height direction, and are utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 38, line 16, as follows:

According to the invention ~~described in claim 2~~, the sliding member of the wiring harness side moves along the sliding guide of the space side. The loop portion of the wiring harness expands

and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the radial or crosswise direction of the loop portion instead of being absorbed upward so that the receiving space for the wiring harness is saved in the height and crosswise direction. Thereby, the feeder assembly structure is simplified and attains a low cost. Accordingly, the feeder assembly or the wiring harness are incorporated with a small space into a sliding door of a vehicle having a limited space in the height direction, and are utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 39, line 4, as follows:

According to the invention ~~described in claim 3~~, the sliding member of the wiring harness side moves along the sliding guide of the space side. The bent portion of the wiring harness expands and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the bending direction of the bent portion instead of being absorbed upward so that the receiving space for the wiring harness is saved in the height and crosswise direction. Thereby, the feeder assembly structure is simplified and attains a low cost. Accordingly, the feeder assembly or the wiring harness are incorporated with a small space into a sliding door of a vehicle or a vehicle body having a limited space in the height direction, and are utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 39, line 19, as follows:

According to the invention ~~described in claim 4~~, the sliding member of the wiring harness side moves along the sliding guide of the protector. The loop portion or the bent portion of the wiring harness expands and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the radial direction of the loop or the bending direction of the bent portion instead of being absorbed upward so that the receiving space for the wiring harness is saved in the height and crosswise direction. Thereby, the feeder assembly structure is simplified and attains a low cost. Accordingly, the feeder assembly or the wiring harness are incorporated with a small space into a sliding door of a vehicle or a vehicle body having a limited space in the height direction, and are utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 40, line 9, as follows:

According to the invention ~~described in claim 5~~, the sliding member moves up and down along the sliding guide with mountain shape as a sliding structure body moves. The loop portion of the wiring harness is forced to expand and contract to absorb the excess length in the radial direction of the loop portion. Compared to the conventional feeder assembly using flat spring, the space or the protector receiving a wiring harness is saved in the height direction and is minimized to expand the versatility.

Please amend the paragraph beginning on page 40, line 18, as follows:

According to the invention ~~described in claim 6~~, the sliding member moves up and down along a slanted sliding guide as the sliding structure body moves. The loop portion expands and contract along the direction of the sliding guide to absorb the excess length in the crosswise direction. Compared to the conventional feeder assembly using flat spring, the space or the protector receiving a wiring harness is saved in the height direction and is minimized to expand the versatility.

Please amend the paragraph beginning on page 40, line 26, as follows:

According to the invention ~~described in claim 7~~, the stroke of the thickness direction of the sliding structure body is smoothly absorbed by the slanted portion of the sliding guide so that the sag of the wiring harness outside the protector is prevented and the pinch of the wiring harness between the sliding structure body and the fixed structure body is prevented. Thereby, the reliability feeding the sliding structure body is improved.

Please amend the paragraph beginning on page 41, line 8, as follows:

According to the invention ~~described in claim 8~~, even though the sliding member changes the direction with the bending or swing of the wiring harness, a spherical sliding member slides always smoothly on a pair of rails so that the excess length of the wiring harness is smoothly and assuredly absorbed.

Please amend the paragraph beginning on page 41, line 13, as follows:

According to the invention ~~described in claim 9~~, an axis is engaged with a guiding through-hole or a guiding groove and the position of the sliding member is accurately regulated so that the formation of the loop portion of the wiring harness, that is, the absorption of the excess length is smoothly and assuredly made.

Please amend the paragraph beginning on page 41, line 19, as follows:

According to the invention ~~described in claim 10~~, since a long sidewall of the protector combines with the sliding guide, the structure is simplified and attains a low cost and the protector is made compact since the space inside the protector is fully utilized. Thereby, a protector can be incorporated in the sliding door of a vehicle or a vehicle body having a limited space in the height direction and can be made many kinds of vehicle versatile.

Please amend the paragraph beginning on page 42, line 1, as follows:

According to the invention ~~described in claim 11~~, as the sliding structure body moves back and forth, the wiring harness swings back and forth along the long opening and the loop portion expands and contracts or the bent portion expands so that the excess length of the wiring harness is smoothly and assuredly absorbed corresponding to the back-and-forth movement of the sliding door and the movement outward apart from the vehicle body.

Please amend the paragraph beginning on page 42, line 9, as follows:

According to the invention ~~described in claim 12~~, the wiring harness is always bent in loop shape without losing the shape even high temperature and humidity and the excess length of the wiring harness is smoothly and assuredly absorbed and the reliability of feeding the sliding structure body is improved. The only change is the material of the insulating cover of electric cable and the shape of the electric cable is the same as the conventional cable. Then, with the high versatility, it is adapted with a low cost to any type of the sliding structure body without using a special electric cable.

Please amend the paragraph beginning on page 42, line 19, as follows:

According to the invention ~~described in claim 13~~, the wiring harness is always bent in loop shape without losing the shape even high temperature and humidity and the excess length of the wiring harness is smoothly and assuredly absorbed and the reliability of feeding the sliding structure body is improved. The only change is the material of the protection tube and the shape of the protection tube is the same as the conventional tube. Then, with the high versatility, it is adapted with a low cost to any type of the sliding structure body without using a special electric cable.

Please amend the paragraph beginning on page 43, line 3, as follows:

According to the invention ~~described in claim 14~~, the loop portion or bent portion of the wiring harness expands and contracts, or bends while always keeping the bending shape with a rigid member, and the excess length of the wiring harness is smoothly and assuredly absorbed and the reliability of feeding the sliding structure body is improved.

Please amend the paragraph beginning on page 43, line 9, as follows:

According to the invention ~~described in claim 15~~, the sliding member of the wiring harness side moves along the sliding guide of the space side. The loop and bent portion of the wiring harness expands and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the radial direction of the loop portion or the bending direction of the bent portion instead of being absorbed upward so that the receiving space for the wiring harness is saved in the height direction. Thereby, the feeder assembly structure is simplified and attains a low cost. Accordingly, the feeder assembly or the wiring harness are incorporated with a small space into a sliding door of a vehicle or a vehicle body having a limited space in the height direction, and are utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 43, line 25, as follows:

According to the invention ~~described in claim 16~~, the sliding member of the wiring harness side moves along the sliding guide inside the protector. The loop portion or the bent portion of the wiring harness expands and contracts so that the excess length of the wiring harness is absorbed smoothly and assuredly by a few parts without using conventional flat spring or its fixing member. The excess length is absorbed in the radial direction of the loop portion or the bending direction of the bent portion instead of being absorbed upward so that the protector is made compact in the height direction. Thereby, the structure is simplified and attains a low cost. Accordingly, the protector is incorporated with a small space into the sliding door of a vehicle or a vehicle body having a limited space in the height or crosswise direction, and is utilized for many kinds of vehicle.

Please amend the paragraph beginning on page 44, line 14, as follows:

According to the invention ~~described in claim 17~~, in the case of a sliding door, the space inside the sliding door is saved in the height direction and a feeder assembly is easily incorporated in the sliding door. In the case of a seat, the space under the seat is utilized effectively and can be saved in the horizontal width direction and it is capable of disposing compactly a feeder assembly. The versatility of feeder assembly attains a low cost.